

Remarks:

1. In the Restriction Requirement, the Examiner restricted prosecution of the instant application to one of the following three groups:

- (I) Claims 1-32, 81, 82, drawn to acoustic sensor in a downhole tool;
- (II) Claims 33-50, 83, drawn to piezo acoustic sensor with attenuating composite backing layer; and
- (III) Claims 51, 77, 84, drawn to piezo acoustic sensor with impedance matching layer and barrier layer.

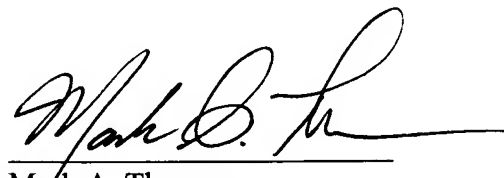
2. Applicant elects Group I, claims 1-32, 81, and 82, without traverse, for further prosecution in this application.

3. Applicant further makes the foregoing election(s) without prejudice to its right to file divisional applications on claims that have been restricted out of this application.

Should the Examiner have any questions, or believe that a telephone interview may expedite the further examination of this application, the Examiner is requested to contact the undersigned at the telephone number shown below.

Respectfully submitted,

Date: 1/17/05



Mark A. Thurmon
Registry No. 39,858
PathFinder Energy Services, Inc.
15151 Sommermeyer
Houston, Texas 77041
(713) 996-1745 Telephone
(713) 996-1270 Facsimile
- Applicant -